

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	(p2p or (peer near4 peer)) and (pipe near4 advertisement)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:44
L2	668	(p2p or (peer near4 peer)).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:44
L3	75	(p2p or (peer near4 peer)).ti. and bind\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:45
L4	33	(p2p or (peer near4 peer)).ti. and bind\$3 and pipe	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:52
L5	1	("20020184358").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/31 13:52
S2	46	(p2p or (peer near4 peer)) and (pipe near4 advertisement) and bind\$3 and identifier	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:16
S3	46	(p2p or (peer near4 peer)) and (pipe near4 advertisement) and bind\$3 and identifier and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:22
S4	58	(p2p or (peer near4 peer)) and (pipe) and bind\$3 and identifier and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:30
S5	45	(p2p or (peer near4 peer)) and (bind\$3 near4 peer) and identifier and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:31
S6	50	(p2p or (peer near4 peer)) and (bind\$3 near4 peer) and identifier and (discover\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:33
S7	188	(p2p or (peer near4 peer)) and (peer near4 group\$3) and identifier and (discover\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:33
S8	56	(p2p or (peer near4 peer)) and (peer near4 group\$3) and identifier and (discover\$3) and (plat\$form near4 protocol)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 16:43
S9	1	("20020188657").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 18:35

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S10	16	((("20020004815") or ("20020010781") or ("20020065946") or ("6571253") or ("6574655") or ("6687735") or ("6772216") or ("6782542") or ("6779004") or ("6807565") or ("6823522") or ("20050022210") or ("6854120") or ("5764982") or ("6199136") or ("6438618")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 17:11
S11	7	S10 and peer	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:20
S12	96	(p2p or (peer near4 peer)) and (pipe near5 channel)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:24
S13	68	(p2p or (peer near4 peer)) and (pipe near5 channel) and discover\$3 and bind\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:21
S14	67	(p2p or (peer near4 peer)) and (pipe near5 channel) and discover\$3 and bind\$3 and group\$3 and member	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:22
S15	35	(p2p or (peer near4 peer)) and (pipe near5 channel) and discover\$3 and bind\$3 and group\$3 and member and (peer near5 node)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:22
S16	67	(p2p or (peer near4 peer)) and (pipe near5 channel) and discover\$3 and bind\$3 and group\$3 and member and join\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:22
S17	90	(p2p or (peer near4 peer)) and (pipe) and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:06
S18	60	(p2p or (peer near4 peer)) and (pipe) and (peer near4 group\$3) and bind\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 17:25
S19	1	("6061796").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 17:35
S20	110	(p2p or (peer near4 peer)) and upnp and path	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:06
S21	3	((("6438618") or ("6199136") or ("5764982")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/10 18:35
S22	1061	(p2p or (peer near4 peer) near4 platform)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:41

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S23	147	((p2p or (peer near4 peer)) near4 platform)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:42
S24	51	((p2p or (peer near4 peer)) near4 platform) and discover\$3 and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:43
S25	858	((p2p or (peer near4 peer)) near4 shar\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:43
S26	99	((p2p or (peer near4 peer)) near4 shar\$3) and discover\$3 and (peer near4 group\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:51
S27	60	((p2p or (peer near4 peer)) near4 shar\$3) and discover\$3 and (peer near4 group\$3) and bind\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:45
S28	612	((p2p or (peer near4 peer)) near4 networking)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:51
S29	55	((p2p or (peer near4 peer)) near4 networking) and (plurality near4 node) and (discover\$3 near4 peer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:52
S30	67	((p2p or (peer near4 peer)) near4 networking) and (discover\$3 near4 peer) and (peer near4 group)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/10 18:54
S31	68	((p2p or (peer near4 peer)) near4 networking) and (discover\$3 near4 peer) and (peer near4 group)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/10 18:58
S32	54	((p2p or (peer near4 peer)) near4 networking) and (communication near4 pipe)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/10 19:00
S33	35	((p2p or (peer near4 peer)) near4 networking) and (virtual near4 pipe)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 14:28
S34	62	((p2p or (peer near4 peer)) near4 networking) and (platform near4 protocol)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/10 19:03
S35	43	((p2p or (peer near4 peer)) near4 networking) and (dependent near4 protocol)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 11:24
S36	84	((p2p or (peer near4 peer)) near4 networking) and (pipe)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:28

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S37	11	"5802313"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 11:31
S38	1	("20030067912").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/11 14:28
S39	80	((p2p or (peer near4 peer)) near4 networking) and (member\$5 near4 peer)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:35
S40	54	((p2p or (peer near4 peer)) near4 networking) and (member\$5 near4 peer) and uuid	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:28
S41	112	((p2p or (peer near4 peer)) near4 networking) and (group\$3 near4 peer)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:35
S42	83	((p2p or (peer near4 peer)) near4 networking) and (group\$3 near4 peer) and member\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:51
S43	361	((p2p or (peer near4 peer))) and (member\$5 near4 peer)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:51
S44	181	((p2p or (peer near4 peer))) and (member\$5 near4 peer) and discover\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/11 18:52
S45	105	((p2p or (peer near4 peer))) and (member\$5 near4 peer) and discover\$3 and advertis\$6	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/12 10:26
S46	0	ep1022876	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/12 10:26
S47	1	("20020029256").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 15:47
S48	1	("20020188657").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 16:58
S49	1	("4852127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 17:49

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S50	1	("6199099").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 17:51
S51	1	("6202022").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 17:51
S52	1	("6202023").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 18:25
S53	1	("6047327").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 18:28
S54	1	("6185573").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/13 09:44
S55	1	("6928051").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/13 09:44
S56	49	(p2p or (peer)) and (pipe near4 advertisement)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:50
S57	36	(p2p or (peer)) and (pipe near4 advertisement) and (virtual near4 channel)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:42
S58	49	(p2p or (peer)) same (pipe near4 advertisement)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:51
S59	53	(p2p or (peer)) same (pipe near4 servic\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:51
S60	51	(p2p or (peer)) same (pipe near4 servic\$3) and advertis\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:52
S61	50	((p2p or (peer)) same (pipe)) and (servic\$3 near4 advertis\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:54
S62	8	((p2p or (peer)) same (pipe) same advertis\$7).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:14

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S63	3	((p2p or (peer)) same (pipe) same advertis\$7 same virtual).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 15:57
S64	1	("6061796").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/22 15:57
S65	56	"6061796"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:14
S66	2	"6061796" and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:16
S67	9	"6061796" and peer and advertis\$6	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:21
S68	7	"6061796" and peer and advertis\$6 and channel and virtual	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:17
S69	4	"6061796" and peer and advertis\$6 and (channel near4 virtual)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:17
S70	1	"6061796" and peer and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 16:21
S71	7	("5491800" "5550984" "5602918" "5657390" "5724355" "5790800" "5802304").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 16:22
S72	2	S71 and pipe	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 16:22
S73	127	(pipe near4 advertis\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 16:23
S74	37	(pipe near4 advertis\$7) and (virtual near4 channel)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 17:43
S75	2	((pipe near4 advertis\$7) and (virtual near4 channel)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 17:45

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S76	3	((pipe same advertis\$7 same virtual)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 18:13
S77	274	(peer same virtual same channel)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 18:13
S78	100	(peer same virtual same channel) and advertis\$7	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 18:13
S79	47	(peer same virtual same channel) and advertis\$7 and pipe	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 18:19
S80	1	(peer same pipe).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/22 18:19
S81	1	(peer same pipe).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/22 18:20
S82	16	(peer same pipe).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:04
S83	0	(peer same pipe same advertis\$7 same bind\$3 same identifier).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:05
S84	1	(peer same pipe same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:05
S85	1	(pipe same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:06
S86	3	(pipe same advertis\$7 same virtual).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:06
S87	111	(pipe same virtual).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:06
S88	11	(pipe same virtual same channel).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:09

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S89	23	(pipe same advertis\$7).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:59
S90	1	(pipe same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 09:09
S91	1	(pipe same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 10:06
S92	16	(pipe same bind\$3 same channel).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 10:54
S93	90	(advertis\$7 same communicat\$3 same channel).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 10:54
S94	5	(advertis\$7 same communicat\$3 same channel same peer).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 10:55
S95	0	(announc\$6 same communicat\$3 same channel same peer).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 10:57
S96	69	(peer same advertis\$7).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 11:02
S97	20	(peer same announc\$7).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 11:04
S98	2	(peer same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 11:05
S99	1	(pipe same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 11:05
S100	4	(channel same advertis\$7 same bind\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/23 11:05

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S10 1	2	((("6111882") or ("5974045"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 16:14
S10 2	2	((("6594699") or ("6426945"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 19:16
S10 3	0	("(stream\$3near4delineat\$3)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/23 19:17
S10 4	284	(stream\$3 near4 delineat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 19:17
S10 5	7	(stream\$3 near4 delineat\$3 near5 marker)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 19:17



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» Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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1-25

- ☐ 1. Scalable semantic brokering over dynamic heterogeneous data sources in InfoSleuth trade/
 Nodine, M.M.; Ngu, A.H.H.; Cassandra, A.; Bohrer, W.G.;
Knowledge and Data Engineering, IEEE Transactions on
 Volume 15, Issue 5, Sept.-Oct. 2003 Page(s):1082 - 1098
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[AbstractPlus](#) | [References](#) | Full Text: [PDF\(4730 KB\)](#) IEEE JNL
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- ☐ 2. Semantic brokering over dynamic heterogeneous data sources in InfoSleuth™
 Nodine, M.; Bohrer, W.; Hee Hiong Ngu, A.;
Data Engineering, 1999. Proceedings., 15th International Conference on
 23-26 March 1999 Page(s):358 - 365
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- ☐ 3. XML in an adaptive framework for instrument control
 Ames, T.J.;
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- ☐ 5. A secure platform for peer-to-peer computing in the Internet
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- ☐ **6. Achieving heterogeneity and fairness in Kademlia**
Kadobayashi, Y.;
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- ☐ **8. Neuron-a wide-area service discovery infrastructure**
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[Parallel Processing, 2002. Proceedings. International Conference on](#)
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- ☐ **9. Chip trio allows glimpse into Cell**
Greenstein, S.;
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- ☐ **10. Optimal PNNI complex node representations for restrictive costs and minimal path computation time**
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[Networking, IEEE/ACM Transactions on](#)
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- ☐ **12. Fixing BGP might be difficult - or not so tough**
Goth, G.;
[Internet Computing, IEEE](#)
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- ☐ **13. Scalable VPNs for the global information grid**
Samll, S.; Terzis, A.; Monroe, F.; Doshi, B.; De Simone, A.;
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Schmidt, H.-J.;
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Ben-Jye Chang; Ren-Hung Hwang;
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1 [An end-to-end approach for transparent mobility across heterogeneous wireless networks](#)

Hung-Yun Hsieh, Kyu-Han Kim, Raghupathy Sivakumar

 August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

 Full text available: pdf(414.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the advent of a myriad of wireless networking technologies, a mobile host today can potentially be equipped with multiple wireless interfaces that have access to different wireless networks. It is widely perceived that future generation wireless networks will exhibit a similar trend in supporting a large variety of heterogeneous wireless access technologies that a mobile host can choose from. In this paper, we consider such a multi-homed mobile host and propose an end-to-end solution that e ...

Keywords: bandwidth aggregation, heterogeneous wireless networks, multi-homed mobile host, seamless handoff

2 [A scalable event infrastructure for peer to peer grids](#)



Geoffrey Fox, Shrideep Pallickara, Xi Rao

 November 2002 **Proceedings of the 2002 joint ACM-ISCOPE conference on Java Grande**

Publisher: ACM Press

 Full text available: pdf(400.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we propose a peer-to-peer (P2P) grid comprising resources such as relatively static clients, high-end resources and a dynamic collection of multiple P2P subsystems. We investigate the architecture of the messaging and event service that will support such a hybrid environment. We designed a distributed publish-subscribe system NaradaBrokering for XML specified messages. NaradaBrokering interpolates between centralized systems like JMS (Java Message Service) and P2P environments. Her ...

Keywords: JXTA, P2P systems, event distribution systems, grid computing, middleware

3 [A receiver-centric transport protocol for mobile hosts with heterogeneous wireless interfaces](#)

Kyu-Han Kim, Yujie Zhu, Raghupathy Sivakumar, Hung-Yun Hsieh

July 2005 **Wireless Networks**, Volume 11 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(3.04 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Numerous transport protocols have been proposed in related work for use by mobile hosts over wireless environments. A common theme among the design of such protocols is that they specifically address the distinct characteristics of the last-hop wireless link, such as random wireless errors, round-trip time variations, blackouts, handoffs, etc. In this paper, we argue that due to the defining role played by the wireless link on a connection's performance, locating the intelligence of a transport ...

Keywords: bandwidth aggregation, heterogeneous wireless networks, multi-homed mobile host, seamless handoff, server migration


4 Transport protocols: A receiver-centric transport protocol for mobile hosts with heterogeneous wireless interfaces



Hung-Yun Hsieh, Kyu-Han Kim, Yujie Zhu, Raghupathy Sivakumar

September 2003 **Proceedings of the 9th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available:  [pdf\(577.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

Numerous transport protocols have been proposed in related work for use by mobile hosts over wireless environments. A common theme among the design of such protocols is that they specifically address the distinct characteristics of the last-hop wireless link, such as random wireless errors, round-trip time variations, blackouts, handoffs, etc. In this paper, we argue that due to the defining role played by the wireless link on a connection's performance, locating the intelligence of a transport ...

Keywords: bandwidth aggregation, heterogeneous wireless networks, multi-homed mobile host, seamless handoff, server migration


5 Client-server computing



Alok Sinha

July 1992 **Communications of the ACM**, Volume 35 Issue 7

Publisher: ACM Press

Full text available:  [pdf\(7.53 MB\)](#) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#), [review](#)

Keywords: client-server computing

6 Connecting middlewares: Hybrid service-oriented architectures: a case-study in the automotive domain



Luciano Baresi, Carlo Ghezzi, Antonio Miele, Matteo Miraz, Andrea Naggi, Filippo Pacifici

September 2005 **Proceedings of the 5th international workshop on Software engineering and middleware SEM '05**

Publisher: ACM Press

Full text available:  [pdf\(882.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Vehicles are becoming complex software systems with many components and services that need to be coordinated. Service oriented architectures can be used in this domain to

support intra-vehicle, inter-vehicles, and vehicle-environment services. Such architectures can be deployed on different platforms, using different communication and coordination paradigms. We argue that practical solutions should be hybrid: they should integrate and support interoperability of different paradigms. We demonstra ...

7 Editorial zone: Flow labelled IP over ATM: design and rationale



Greg Minshall, Bob Hinden, Eric Hoffman, Fong Ching Liaw, Tom Lyon, Peter Newman
July 2006 **ACM SIGCOMM Computer Communication Review**, Volume 36 Issue 3

Publisher: ACM Press

Full text available: [pdf\(260.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a system in which layer 2 switching is placed directly under the control of layer 3 routing protocols on a hop-by-hop basis. Specifically, ATM switching is controlled by IP. We couple each ATM switch with a general purpose computer running IP routing and management protocols. We define a default ATM virtual channel identifier (VCI) to be used for transmitting IP packets over ATM links. We then define mechanisms which allow specific *flows* to be transmitted on specific ATM VCIs. ...

Keywords: ATM, GSMP, IFMP, IP, IP switching, flow labelled IP, epsilon

8 Semantics and discovery: Cooperative middleware specialization for service oriented architectures



Nirmal K. Mukhi, Ravi Konuru, Francisco Curbera
May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Publisher: ACM Press

Full text available: [pdf\(113.65 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Service-oriented architectures (SOA) will provide the basis of the next generation of distributed software systems, and have already gained enormous traction in the industry through an XML-based instantiation, Web services. A central aspect of SOAs is the looser coupling between applications (services) that is achieved when services publish their functional and non-functional behavioral characteristics in a standardized, machine readable format. In this paper we argue that in the basic SOA model ...

Keywords: metadata exchange, middleware reconfiguration, service-oriented architecture, web services

9 Workshop on compositional software architectures: workshop report



May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: [pdf\(2.91 MB\)](#) Additional Information: [full citation](#), [index terms](#)

10 Full papers: Reflection, self-awareness and self-healing in OpenORB



Gordon S. Blair, Geoff Coulson, Lynne Blair, Hector Duran-Limon, Paul Grace, Rui Moreira, Nikos Parlavantzas
November 2002 **Proceedings of the first workshop on Self-healing systems**

Publisher: ACM Press

Full text available: [pdf\(229.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

There is a growing interest in the area of self-healing systems. Self-healing does however

impose considerable demands on system infrastructures---especially in terms of openness and support for reconfigurability. This paper proposes that the self-awareness inherent in reflective technologies lends itself well to the construction of self-healing systems. In particular, the paper examines the support provided by the Open ORB reflective middleware technology for the construction of this increasing ...

Keywords: middleware, reflection, self-awareness, self-healing

11 Principled design of the modern Web architecture



Roy T. Fielding, Richard N. Taylor

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Publisher: ACM Press

Full text available: pdf(335.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability of component interactions, generality of interfaces, independent deployment of components, and intermediary components to reduce interaction latency, enforce security, and encapsulate legacy systems. In this article we introduce the Representational State Transfer (REST) arc ...

Keywords: Network-based applications, REST, World Wide Web

12 Web service composition with case-based reasoning

Benchaphon Limthanmaphon, Yanchun Zhang

January 2003 **Proceedings of the fourteenth Australasian database conference - Volume 17 ADC '03**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(77.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

To run a smart E-Business or provide efficient Web service, a web services composition model is needed. Web services composition refers to the process of collaborating the heterogeneous web services. This paper presents a model of web services composition by using Case-Based Reasoning (CBR) techniques. CBR is applied in the process of service discovery, which is the crucial composition process. Our service composition model integrates the two behaviours of proactive and reactive service composition ...

Keywords: case-based reasoning, web service, web service discovery

13 Design and validation of QoS aware mobile internet access procedures for heterogeneous networks

Giuseppe Bianchi, Nicola Blefari-Melazzi, Pauline M. L. Chan, Matthias Holzbock, Y. Fun Hu, Axel Jahn, Ray E. Sheriff

February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(573.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, the requirements for personal environments mobility are addressed from terminal and network perspectives. Practical mobility and Quality of Service (QoS) aware solutions are proposed for a heterogeneous network, comprising of satellite and terrestrial access networks connected to an IP core network. The aim, in adopting a heterogeneous environment, is to provide global, seamless service coverage to a specific area, allowing

access to services independently of location. An importan ...

Keywords: QoS, admission control, handover management, heterogeneous networks, laboratory demonstrator, mobile IP

14 Interoperability for digital libraries worldwide



Andreas Paepcke, Chen-Chuan K. Chang, Terry Winograd, Héctor García-Molina
April 1998 **Communications of the ACM**, Volume 41 Issue 4

Publisher: ACM Press

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15 Composable ad-hoc mobile services for universal interaction



Todd D. Hodes, Randy H. Katz, Edouard Servan-Schreiber, Lawrence Rowe
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

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Geoffrey Fox, Shrideep Pallickara, Xi Rao

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Keywords: JXTA, P2P systems, event distribution systems, grid computing, middleware

2 [Connecting middlewares: Hybrid service-oriented architectures: a case-study in the automotive domain](#)


 Luciano Baresi, Carlo Ghezzi, Antonio Miele, Matteo Miraz, Andrea Naggi, Filippo Pacifici
 September 2005 **Proceedings of the 5th international workshop on Software engineering and middleware SEM '05**

Publisher: ACM Press

 Full text available: pdf(882.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

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 Greg Minshall, Bob Hinden, Eric Hoffman, Fong Ching Liaw, Tom Lyon, Peter Newman
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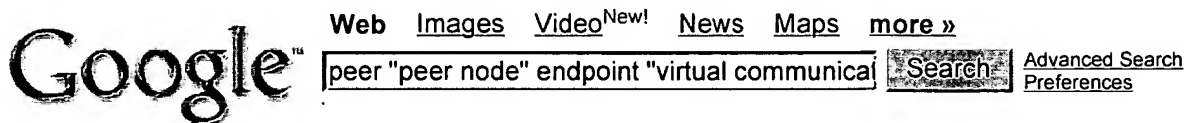
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by publishing **information** such as a **pipe advertisement**. It includes name, description, ... can be pre-installed into a **peer node** or loaded from the network. ...

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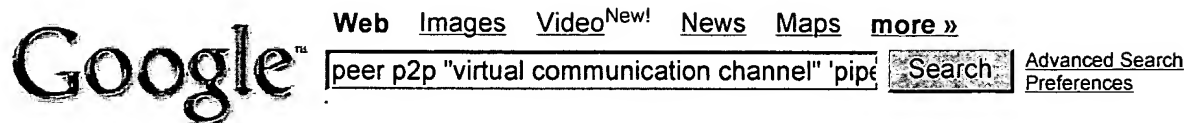
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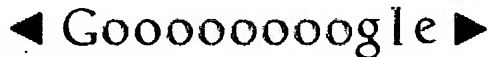
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